



Recent Advances in See and Avoid Systems for Aircraft

Guest Editor:

Dr. Federico Corrado

Department of Innovative
Systems and Applications of
Satellite Navigation, Centro
Italiano Ricerche Aerospaziali,
81043 Capua, Italy

Deadline for manuscript
submissions:

closed (31 July 2022)

Message from the Guest Editor

The key improvement areas that the most recent advances in SAA technology should be focused on are related (but not limited) to:

- Technologies for accurately sensing traffic and fixed obstacles that can be integrated in all vehicle's classes (from a few kilograms to several tons);
- Efficient filters for processing and fusing sensor data to reliably see and detect obstacles (either flying or not-flying);
- Intelligent traffic conflict detection, situational awareness, and guidance algorithms to allow missions near ground, in urban areas, or in the presence of other path constraints (fixed obstacles, severe weather, no-fly zones, geo-fencing) that would enable more autonomous unmanned operations;
- Better adaptation of SAA to (variable) vehicle maneuvering capabilities and to the probabilistic nature of traffic evolution, to always have an optimized behavior in any situation.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Konstantinos Kontis

School of Engineering, University of Glasgow, James Watt Building South, University Avenue, Glasgow G12 8QQ, Scotland, UK

Message from the Editor-in-Chief

You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.

Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within *Scopus*, *SCIE (Web of Science)*, *Inspec*, and other databases.

Journal Rank: JCR - Q1 (*Engineering, Aerospace*) / CiteScore - Q2 (*Aerospace Engineering*)

Contact Us

Aerospace Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/aerospace
aerospace@mdpi.com
[X@Aerospace_MDPI](https://twitter.com/Aerospace_MDPI)